IDAHO DEPARTMENT
OF HEALTH AND WELFARE

DIVISION OF
ENVIRONMENTAL QUALITY

1410 North Hilton, Boise, ID 83706-1255, (208) 334-0502

Philip E. Batt, Governor

November 26, 1996

CERTIFIED MAIL #P 875 705 084

Rechelle Kruse, Air Pollution Control Engineer
IBP, Incorporated
P.O. Box 515
Dakota City, Nebraska 68731

Re: IBP, Incorporated (Kuna) - #9501-005-2
Tier II Operating Permit (#001-00030) Amendment

Dear Ms. Kruse:

On August 30, 1996, the Idaho Department of Health & Welfare, Division of Environmental Quality (DEQ) received an application from IBP, Incorporated, Kuna, to amend a portion of their Tier II Operating Permit (OP), issued to the facility on February 26, 1996.

Based on review of the submitted information, state and federal rules and regulations, DEQ finds that this project meets the provisions of IDAPA 16.01.01.400 (Rules for the Control of Air Pollution in Idaho). Enclosed are amended pages 8, 9, 10, and 11 of 18 of OP #001-00030. All the other OP provisions remain unchanged and continue to apply. It is recommended that a copy of this letter be kept with the original OP.

If you have any questions regarding the terms or conditions of the enclosed permit amendment, please contact Martin Bauer, Chief, Air Quality Permitting Bureau, at (208) 373-0502.

Sincerely,

Orville D. Green
Assistant Administrator
Air & Hazardous Waste

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Enclosure

cc: P. Rayne/AFS
T. Trumbull, CAB
J. Palmer, Boise Regional Office
Source File
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AIR POLLUTION OPERATING PERMIT

Permittee AND LOCATION

IBP, Inc.
Tier II Operating Permit
Kuna, Idaho

PERMIT NUMBER

001 - 00030

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Blood Dryer

1. SOURCE DESCRIPTION

1.1 Process Description

IBP, Inc. - Kuna has a Blood Dryer which is a 2.6 MMBtu/hr natural gas fired rotary kiln with a maximum rated input capacity of 4,100 pounds of raw blood per hour. The dried blood is pneumatically conveyed to storage.

1.2 Control Equipment

1.2.1 Knock-Out Pot;

1.2.2 Wet Venturi Scrubber manufactured by Premier; and

1.2.3 Packed Tower manufactured by Premier.

2. EMISSION LIMITS

2.1 Particulate matter (PM) and particulate matter with aerodynamic diameter less than or equal to a nominal ten (10) micrometers (PM-10) emissions from the Blood Dryer shall not exceed the corresponding emissions limits, pound per hour (lb/hr), or ton per year (T/yr) values listed in Appendix A of this permit.

2.2 Visible emissions from the blood dryer stack shall not exceed twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period as required by IDAPA 16.01.01.625 (Rules).

3. OPERATING REQUIREMENTS

3.1 Venturi Scrubber

3.1.1 Pressure drop across the Venturi scrubber shall be maintained within manufacturer's specifications. Documentation of the manufacturer's specifications shall remain on-site at all times and shall be made available to Department representatives upon request; or

3.1.2 The Permittee shall conduct, within ninety (90) days of the date of issuance of this permit, a performance test on the Venturi scrubber in accordance with Section I of the Operating Permit General Provisions. The pressure drop across the Venturi scrubber during that test shall be recorded. The test results shall be submitted to the Department within thirty (30) days after the test date. The recorded pressure drop during the performance test shall be the minimum pressure drop at which the Venturi scrubber shall operate.

3.1.3 Liquid flowrate to the Venturi scrubber shall be maintained within manufacturer's or Operation and Maintenance Manual specifications. Documentation of the operating liquid flowrate specifications shall remain on-site at all times and shall be made available to Department representatives upon request.

AIR POLLUTION OPERATING PERMIT

Permittee AND LOCATION

IBP, Inc.
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SOURCE

Blood Dryer

3.2 Packed Tower

3.2.1 Pressure drop across the packed tower shall be maintained within manufacturer's specifications. Documentation of the manufacturer's specifications shall remain on-site at all times and shall be made available to Department representatives upon request; or

3.2.2 The Permittee shall conduct, within ninety (90) days of the date of issuance of this permit, a performance test on the packed tower in accordance with Section I of the Operating Permit General Provisions. The pressure drop across the packed tower during that test shall be recorded. The test results shall be submitted to the Department within thirty (30) days after the test date. The recorded pressure drop during the performance test shall be the minimum pressure drop at which the packed tower shall operate.

3.2.3 Liquid flowrate to the packed tower shall be maintained within manufacturer's or Operation and Maintenance Manual specifications. Documentation of the operating liquid flowrate specifications shall remain on-site at all times and shall be made available to Department representatives upon request.

3.3 Installation of Monitoring Equipment

Within ninety (90) days of the date of issue of this permit, the Permittee shall install, calibrate, maintain, and operate, in accordance with manufacturer's specifications, equipment to continuously measure the pressure differential across the air pollution control equipment, and to measure the scrubbing media flowrate to the Venturi scrubber and the packed tower.

3.4 Control of Odors

No emissions of odorous gases or solids from the blood dryer stack shall be emitted in such quantities as to cause air pollution, as required by IDAPA 16.01.01.775 and IDAPA 16.01.01.835 (Rules).

3.5 The Venturi scrubber and the packed tower should be connected in series.

4. MONITORING AND RECORDKEEPING REQUIREMENTS

4.1 The following parameters shall be monitored on a daily basis. All data shall be kept on-site in a log for a period of two (2) years and made available to Department representatives upon request.

4.1.1 Pressure drop across the Venturi Scrubber and the Packed Tower.

4.1.2 Scrubbing media flowrate to the Venturi Scrubber and the Packed Tower.

AIR POLLUTION OPERATING PERMIT

Permittee AND LOCATION

PERMIT NUMBER

001 - 00030

IBP, Inc.
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Kuna, Idaho

The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Cookers

1. SOURCE DESCRIPTION

1.1 Process Description

IBP, Inc. - Kuna operates two (2) grinders, five (5) cookers, and three (3) grease expellers. The viscera is ground into small pieces and fed into the cookers. The cookers are heated by steam generated from the boilers. Emissions from the cookers are controlled by a knock-out pot, Venturi Scrubber, and a Packed Tower connected in series.

1.2 Control Equipment

1.2.1 Knock-out pot

1.2.2 Wet Venturi Scrubber manufactured by Premier; and

1.2.3 Packed Tower manufactured by Premier.

2. EMISSION LIMITS

2.1 Particulate matter (PM) and particulate matter with aerodynamic diameter less than or equal to a nominal ten (10) micrometers (PM-10) emissions from the five (5) cookers shall not exceed the emissions limits, pound per hour (lb/hr), or ton per year (T/yr) values listed in Appendix A of this permit.

2.2 Visible emissions from the Venturi scrubber and packed tower stack shall not exceed twenty percent (20%) opacity for a period or periods aggregating more than three (3) minutes in any sixty (60) minute period as required by IDAPA 16.01.01.625 (Rules).

3. OPERATING REQUIREMENTS

3.1 Venturi Scrubber

3.1.1 Pressure drop across the Venturi scrubber shall be maintained within manufacturer's specifications. Documentation of the manufacturer's specifications shall remain on-site at all times and shall be made available to Department representatives upon request; or

3.1.2 The Permittee shall conduct, within ninety (90) days of the date of issuance of this permit, a performance test on the Venturi scrubber in accordance with Section I of the Operating Permit General Provisions. The pressure drop across the Venturi scrubber during that test shall be recorded. The test results shall be submitted to the Department within thirty (30) days after the test date. The recorded pressure drop during the performance test shall be the minimum pressure drop at which the Venturi scrubber shall operate.

3.1.3 Liquid flowrate to the Venturi scrubber shall be maintained within manufacturer's or Operation and Maintenance Manual's specifications. Documentation of the operating liquid flowrate specifications shall remain on-site at all times and shall be made available to Department representatives upon request.

AIR POLLUTION OPERATING PERMIT

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IBP, Inc.
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The Permittee is hereby allowed to operate the equipment described herein subject to the emission limits and monitoring and reporting requirements specified in this permit.

SOURCE

Cookers

3.2 Packed Tower

3.2.1 Pressure drop across the packed tower shall be maintained within manufacturer's specifications. Documentation of the manufacturer's specifications shall remain on-site at all times and shall be made available to Department representatives upon request; or

3.2.2 The Permittee shall conduct, within ninety (90) days of the date of issue of this permit, a performance test on the packed tower in accordance with Section I of the Operating Permit General Provisions. The pressure drop across the packed tower during that test shall be recorded. The test results shall be submitted to the Department within thirty (30) days after the test date. The recorded pressure drop during the performance test shall be the minimum pressure drop at which the packed tower shall operate.

3.2.3 Liquid flowrate to the packed tower shall be maintained within manufacturer's or Operation and Maintenance Manual specifications. Documentation of the operating liquid flowrate specifications shall remain on-site at all times and shall be made available to Department representatives upon request.

3.3 Installation of Monitoring Equipment

Within ninety (90) days of the date of issue of this permit, the Permittee shall install, calibrate, maintain, and operate, in accordance with manufacturer's specifications, equipment to continuously measure the pressure differential across the air pollution control equipment, and to measure the scrubbing media flowrate to the Venturi scrubber and the packed tower.

3.4 Control of Cookers

All gases, vapors, and gas entrained effluents from the coolers shall pass through condensers to remove all steam and other condensible materials. All noncondensibles passing through the condensers shall be incinerated at 1200°F for a minimum of 0.3 seconds, or shall be treated in an equally effective manner, as required by IDAPA 16.01.01.836 (Rules).

3.5 Control of Expellers

All expellers shall be properly hooded and all exhaust gases shall be ducted to odor control equipment, as required by IDAPA 16.01.01.837.

3.6 The Venturi scrubber and the packed tower should be connected in series.

4. MONITORING AND RECORDKEEPING REQUIREMENTS

4.1 The following parameters shall be monitored on a daily basis. All data shall be kept on-site in a log for a period of two (2) years and made available to Department representatives upon request.

4.1.1 Pressure drop across the Venturi Scrubber and the Packed Tower; and

4.1.2 Scrubbing media flowrate to the Venturi Scrubber and the Packed Tower.

ISSUED: February 26, 1996
EXPIRES: February 26, 2001